



006221 00000000

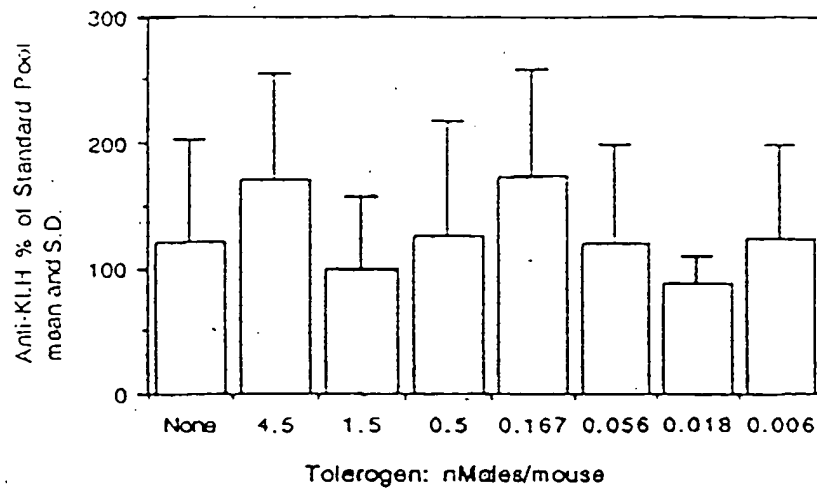


FIGURE 2

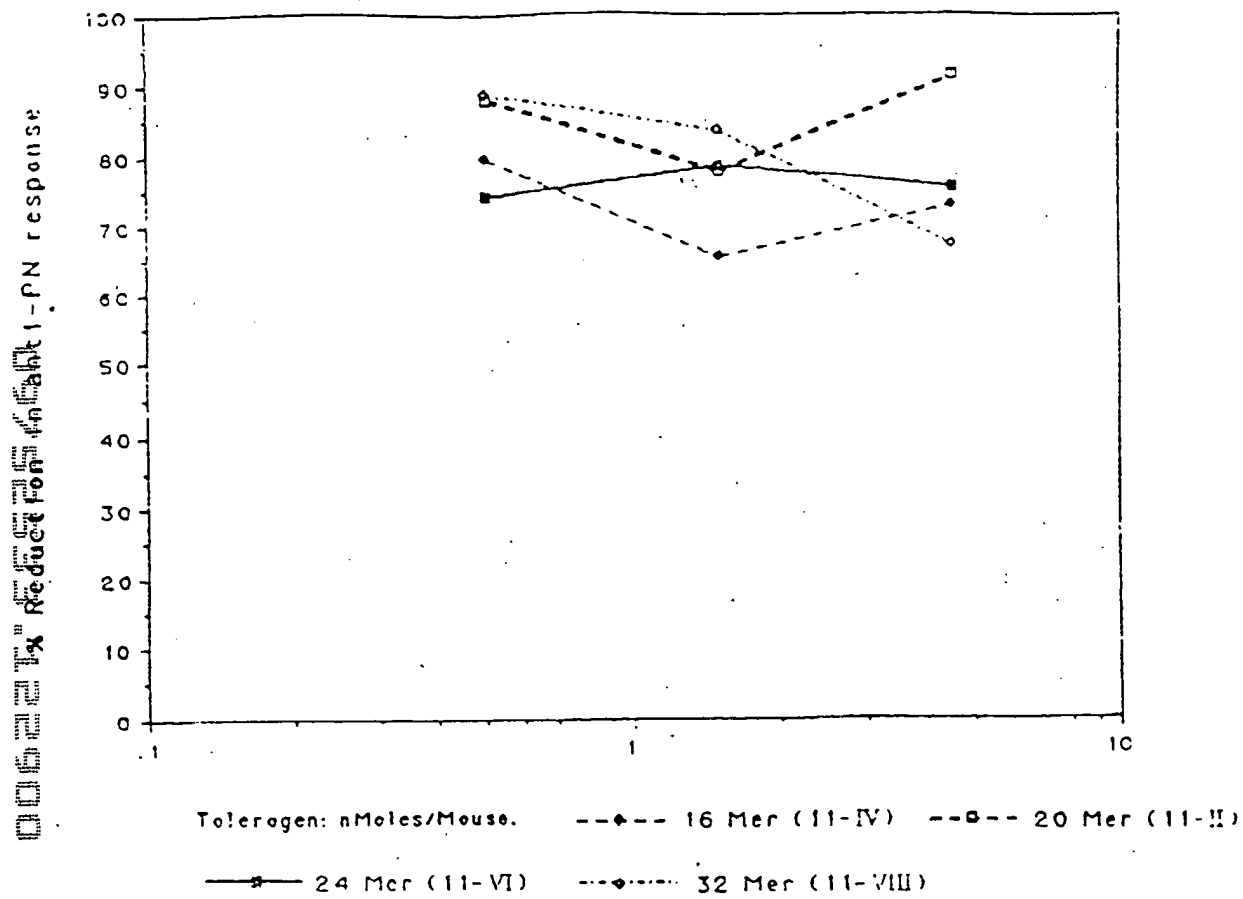


FIGURE 3

006247" 88335260

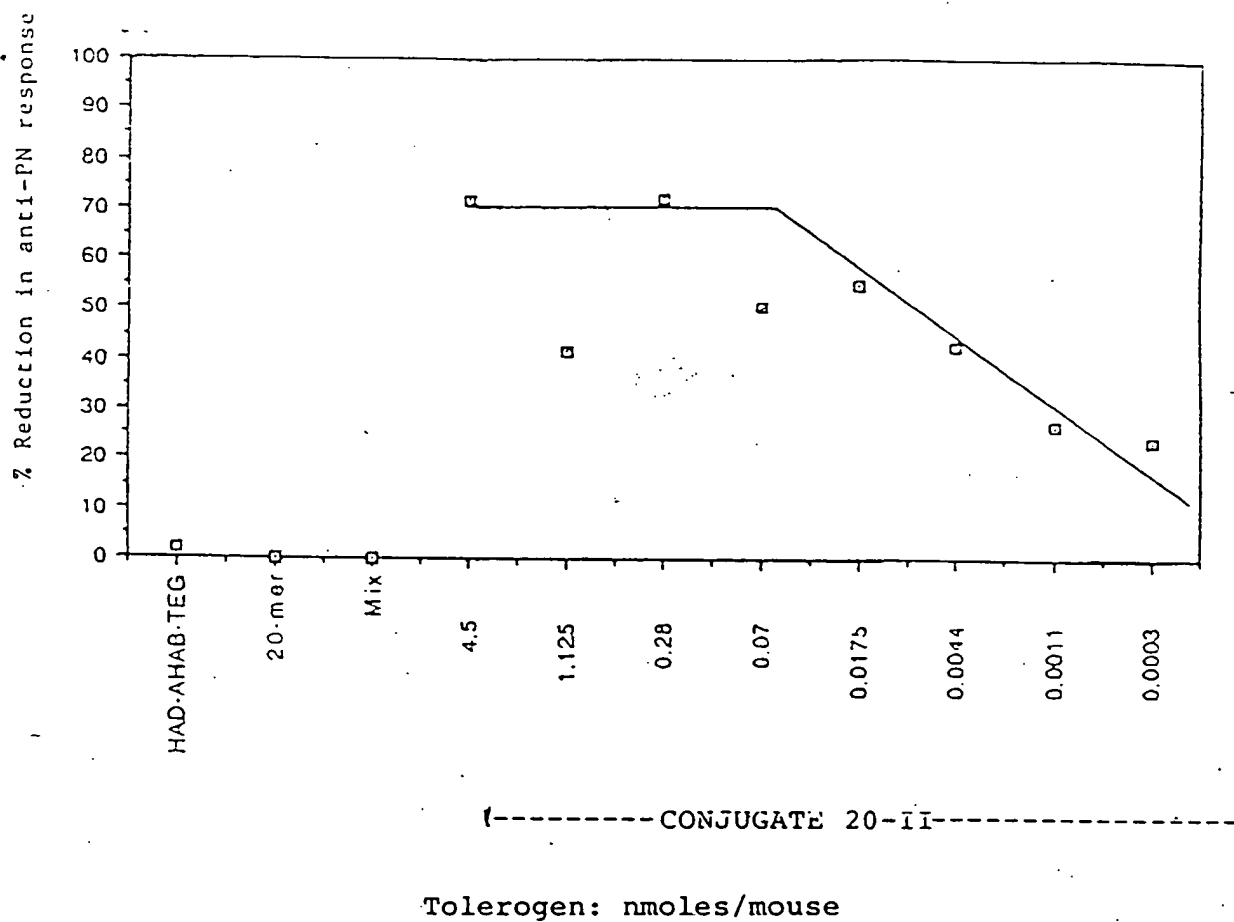


FIGURE 4

006237" E665450

% Reduction in anti-PN response

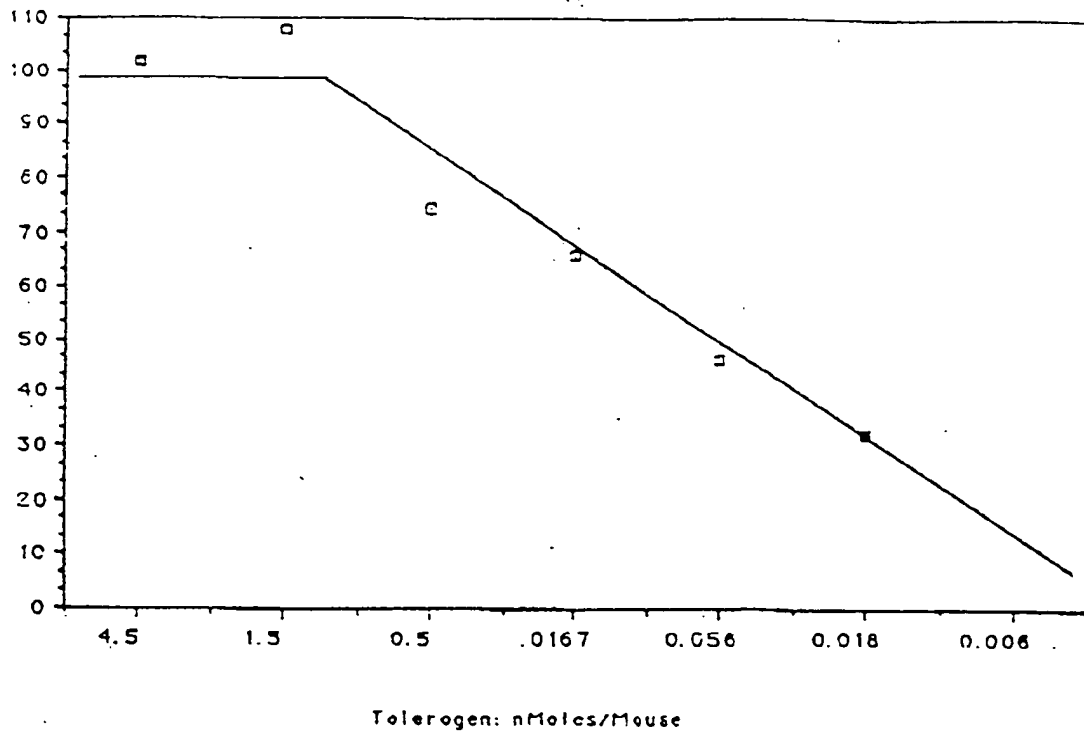
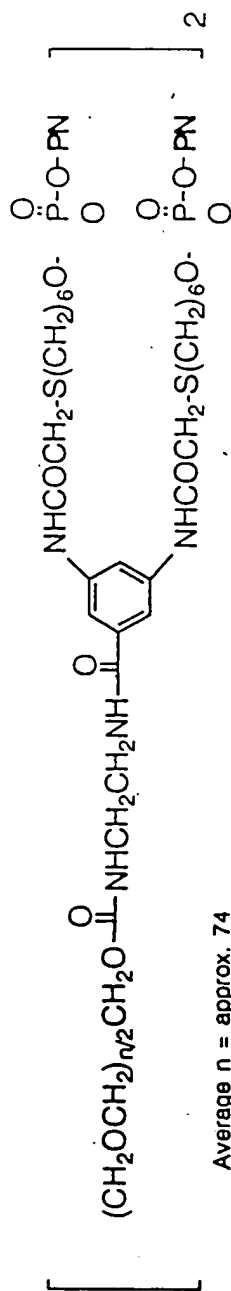


FIGURE 5

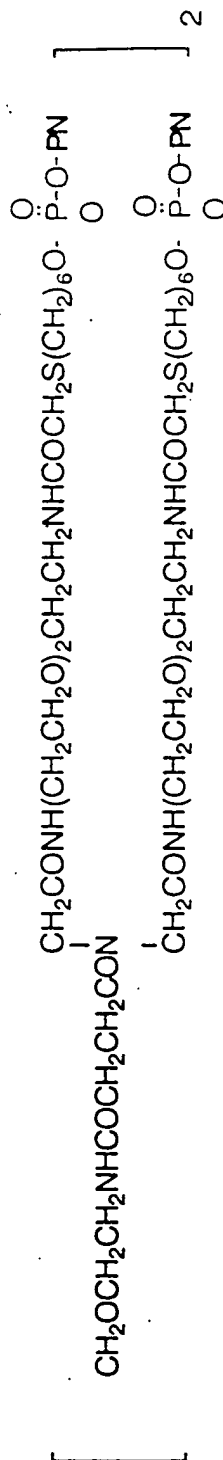


Average  $n$  = approx. 74

DABA-PEG

3-I, PN = (CA)<sub>10</sub>

3-II, PN = (CA)<sub>10</sub>·(TG)<sub>10</sub>



BAHA<sub>ox</sub>-EDDA

11-I, PN = (CA)<sub>10</sub>

11-II, PN = (CA)<sub>10</sub>·(TG)<sub>10</sub>

11-IV, PN = (CA)<sub>8</sub>·(TG)<sub>8</sub>

11-VI, PN = (CA)<sub>12</sub>·(TG)<sub>12</sub>

11-VIII, PN = (CA)<sub>16</sub>·(TG)<sub>16</sub>

FIGURE 6A

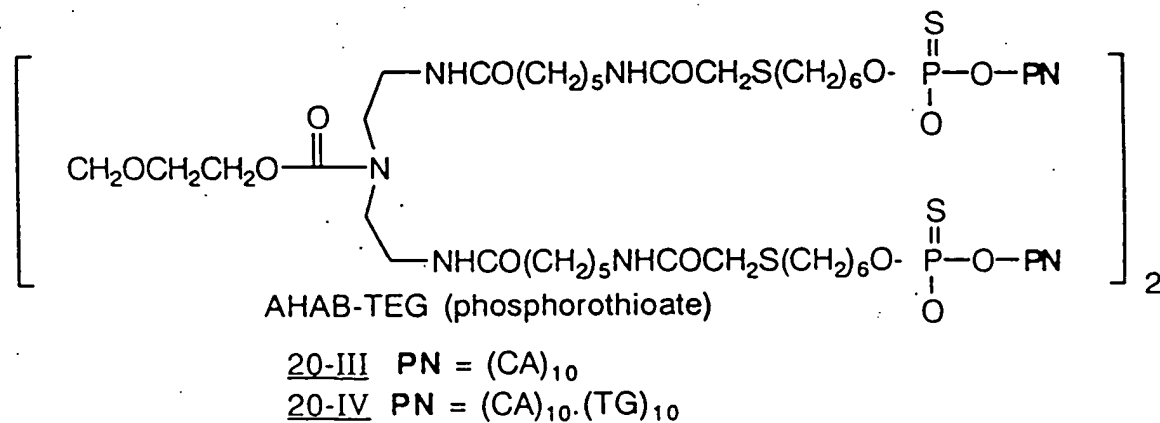
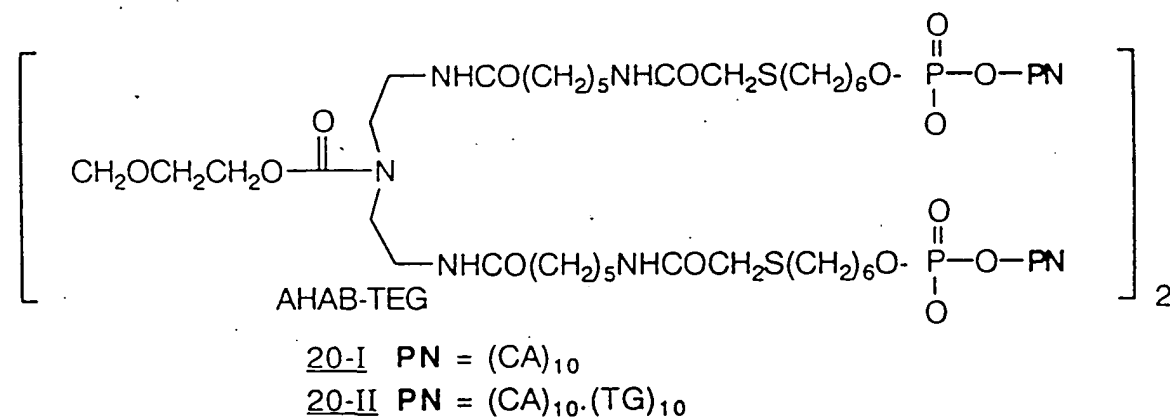
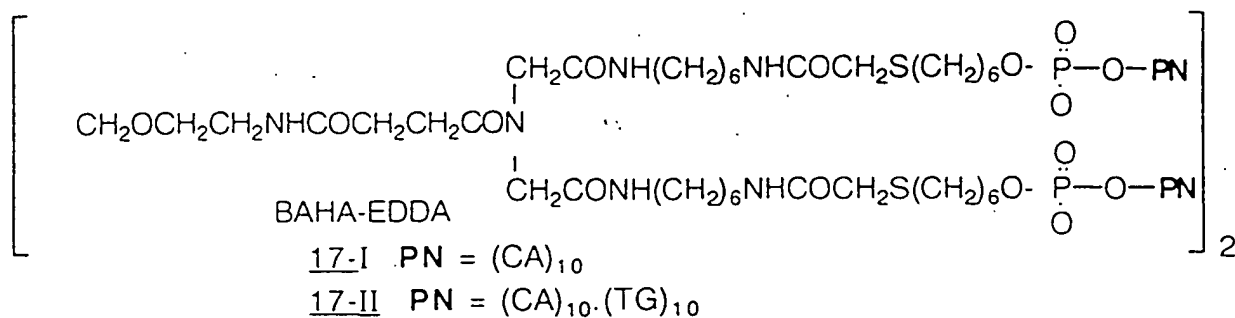


FIGURE 6B

006221-EGS260

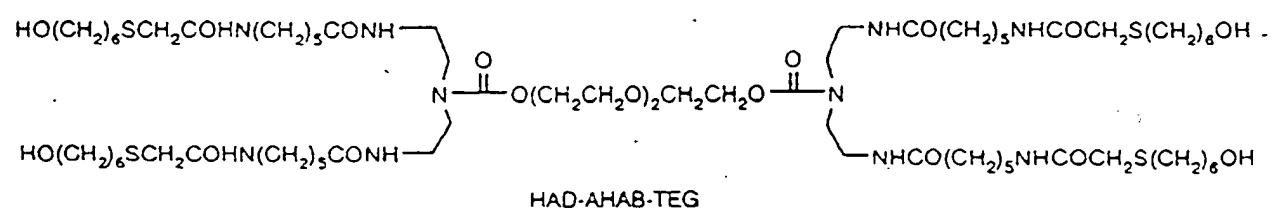


FIGURE 7



006221-EE529460

# T Cell Proliferation Induced by Mellitin Peptides

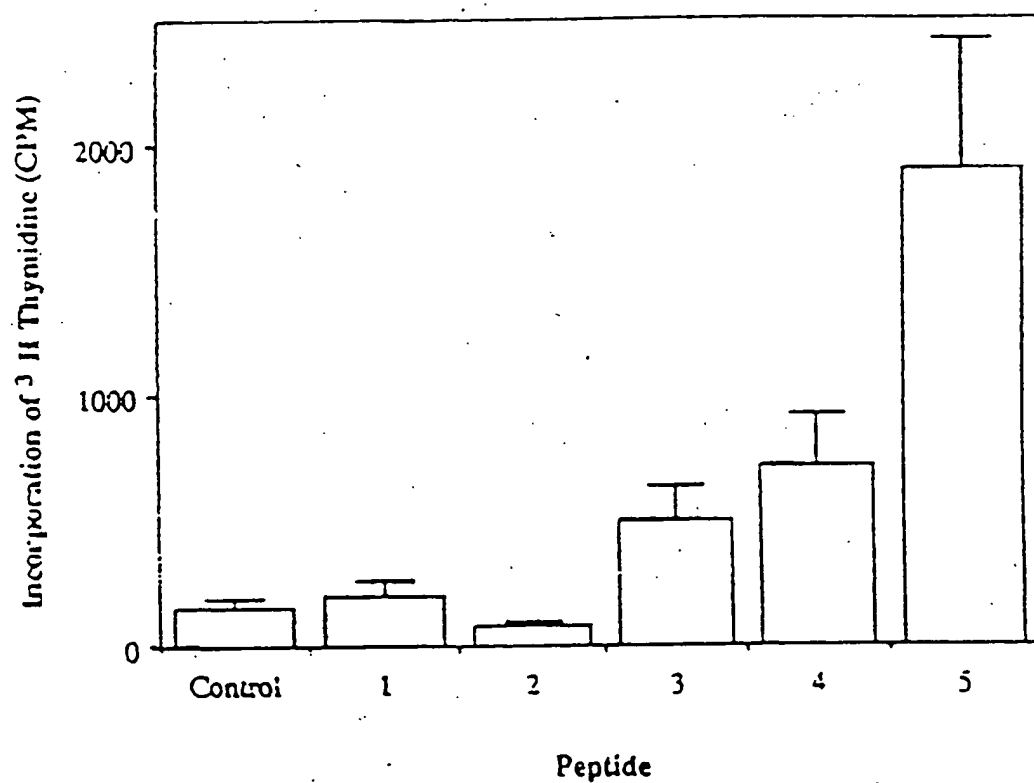
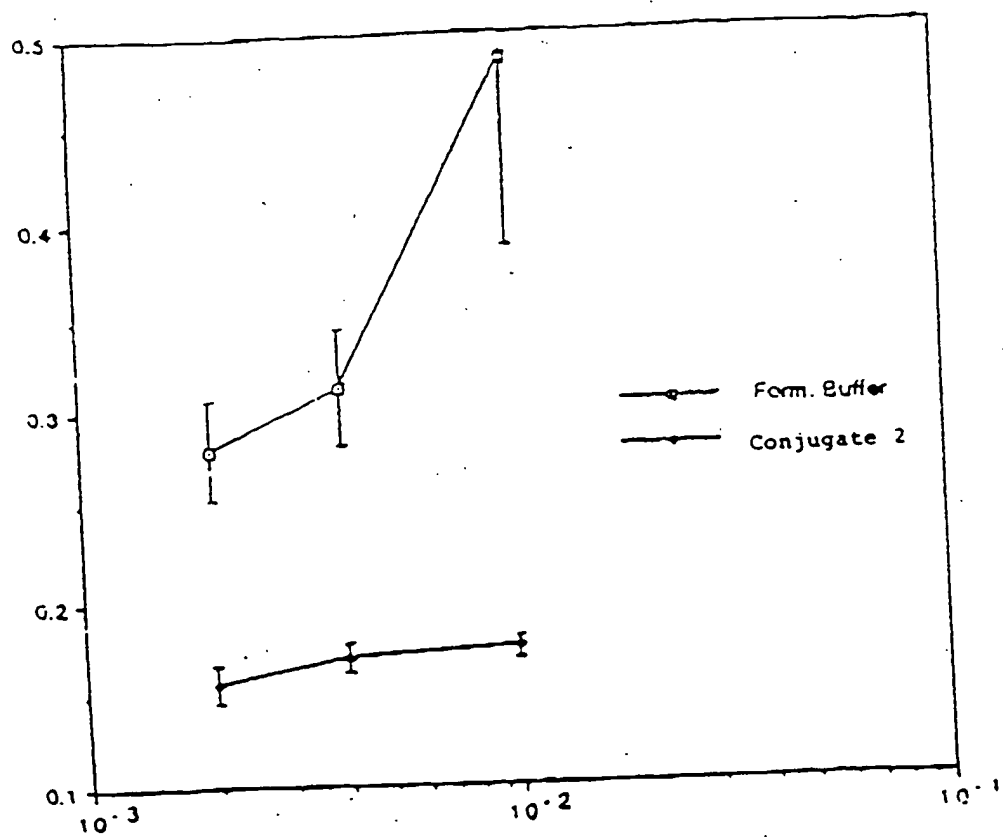


FIGURE 8

O.D. 450 nm

IgG serum circulating Ab to melittin peptide 2



serum dilution

FIGURE 9

006227" EESS260

O.D. 450 nm

IgG serum circulating levels to Melittin

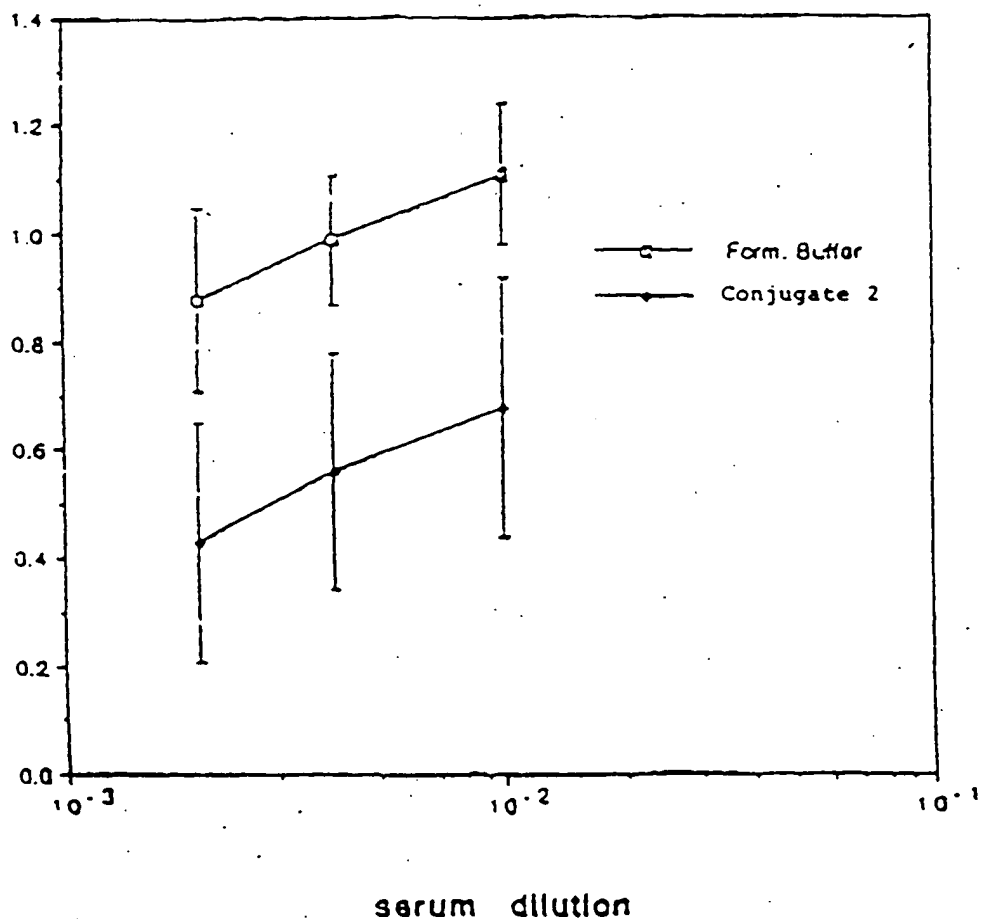


FIGURE 10

006227 6252460

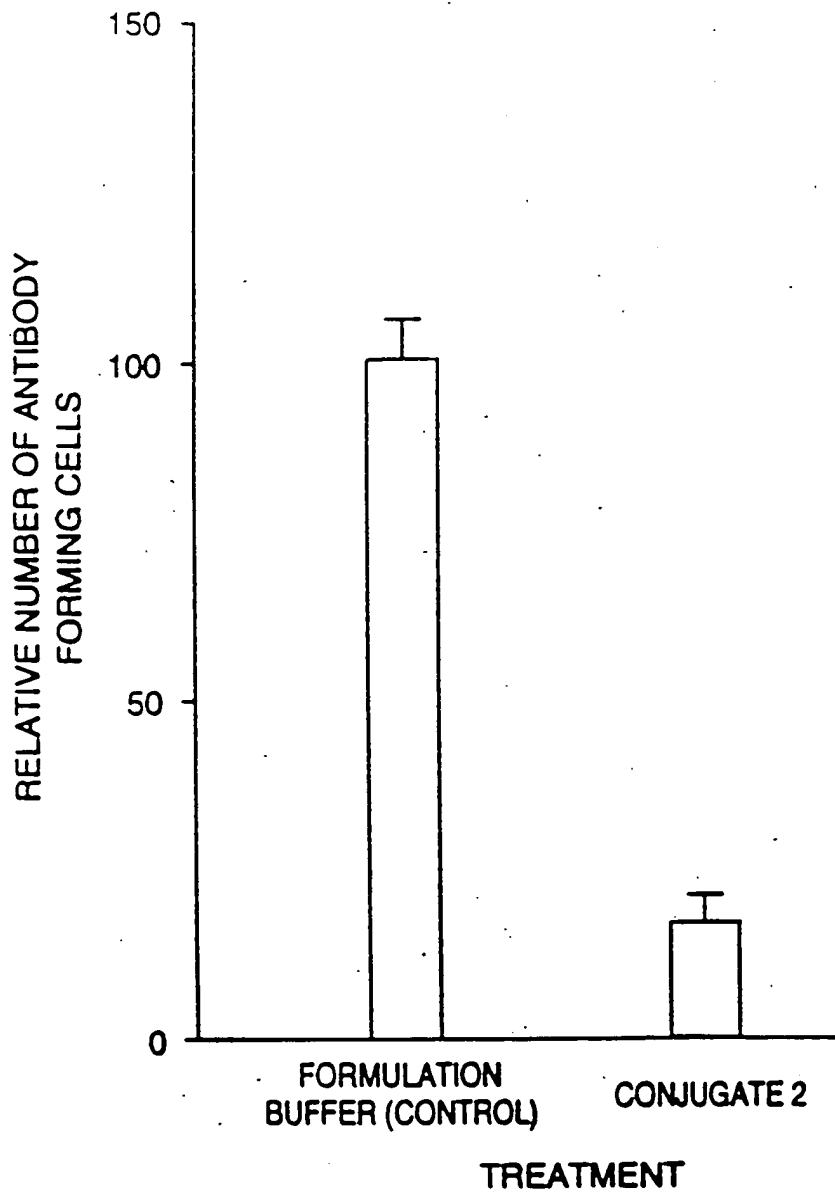


FIGURE 11

006221-EE229260

IgG serum circulating Ab to Peptide 5

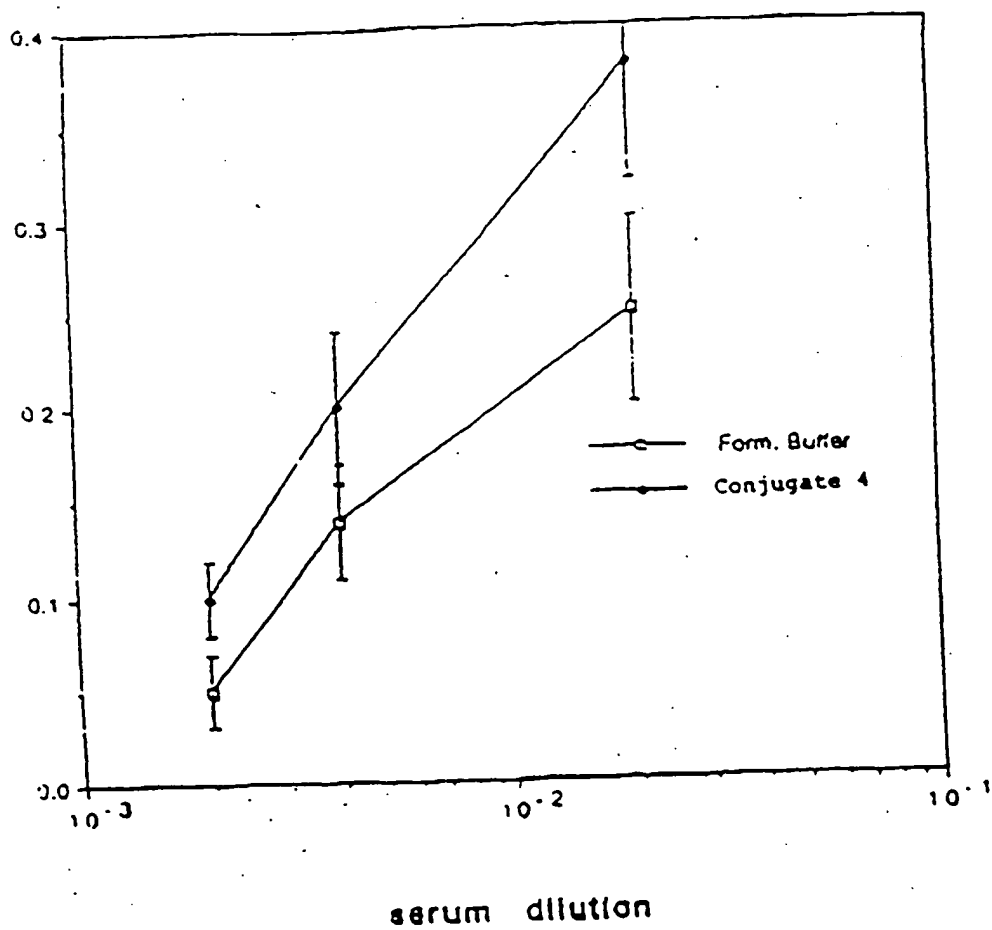
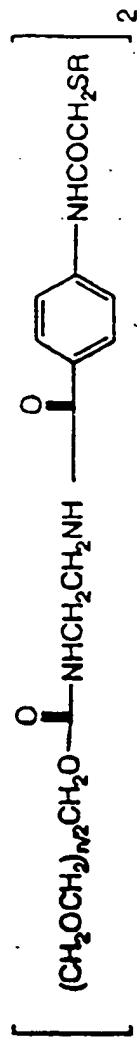


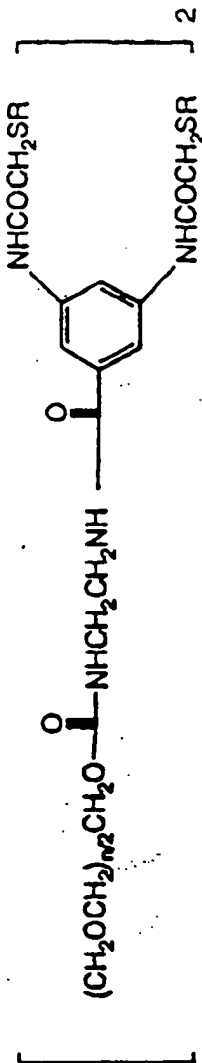
FIGURE 12

# Melittin Peptide Conjugates



Melittin Conjugate # 1, R = H<sub>2</sub>N-Trp-Ile-Lys-Arg-Lys-Arg-Gln-Gln-Lys-Cys-Gly-CO<sub>2</sub>H

Average n = approx. 74

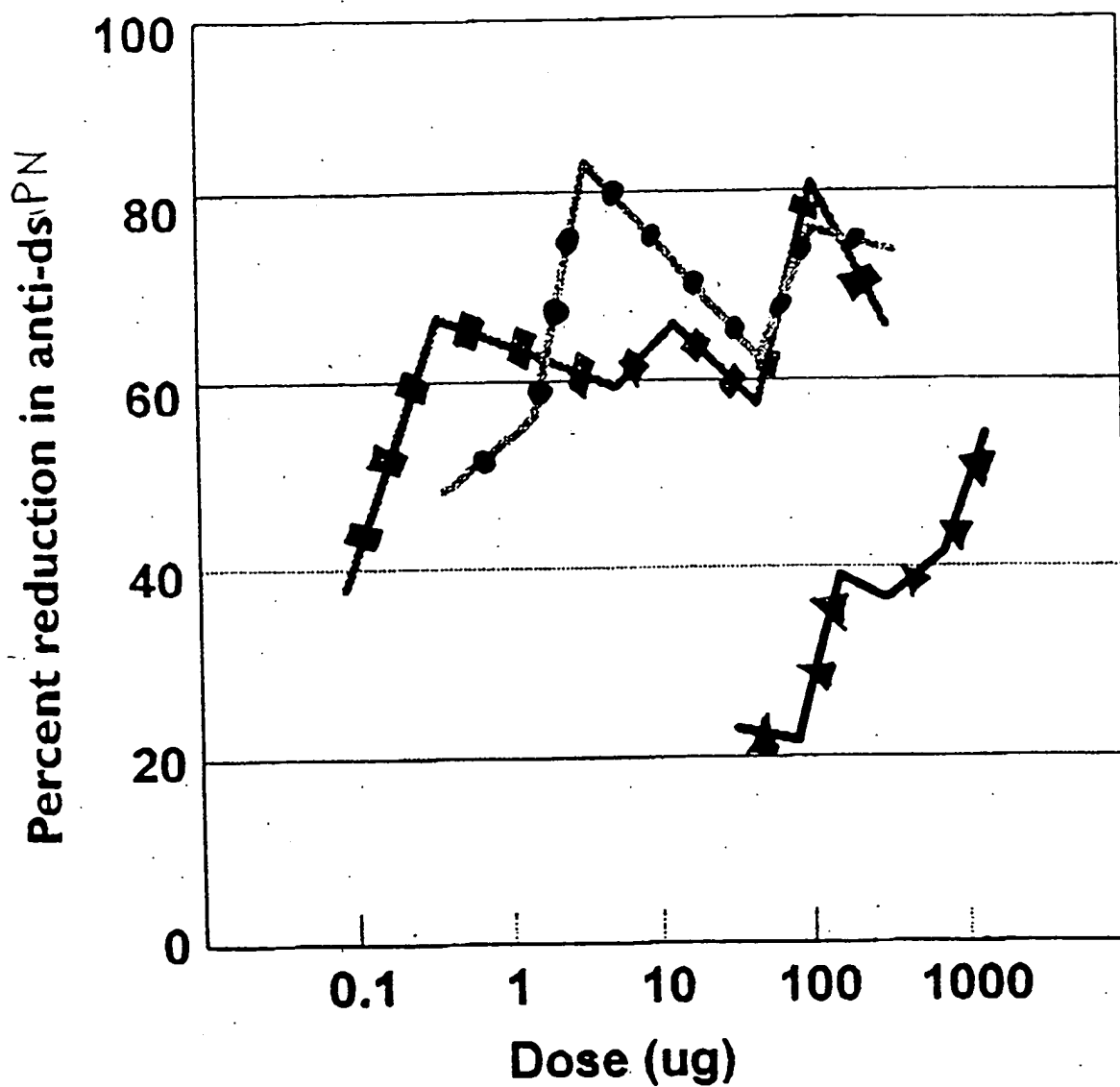


Melittin Conjugate # 2, R = H<sub>2</sub>N-Cys-Trp-Ile-Lys-Arg-Lys-Arg-Gln-Gln-Gly-CO<sub>2</sub>H  
 Melittin Conjugate # 3, R = H<sub>2</sub>N-Trp-Ile-Lys-Arg-Lys-Arg-Gln-Gln-Lys-Cys-Gly-CO<sub>2</sub>H  
 Melittin Conjugate # 4, R = H<sub>2</sub>N-Cys-Ile-Ser-Trp-Ile-Lys-Arg-Lys-Arg-Gln-Gln-Gly-CO<sub>2</sub>H  
 Melittin Conjugate # 5, R = (H<sub>2</sub>N-Trp-Ile-Lys-Arg-Lys-Arg-Gln-Gln)<sub>2</sub>-Lys-Cys-Gly-CO<sub>2</sub>H

Melittin peptides attached through sulfur atom on added cysteine, average n = approx. 74

FIGURE 13

# Inhibition of Anti-ds<sup>PN</sup> by LJP- 249 and LJP- 105



● LJP- 249 A    ■ LJP- 249 B    ★ LJP- 105

FIGURE 14

## Treatment of Male BXSB Mice with LJP394

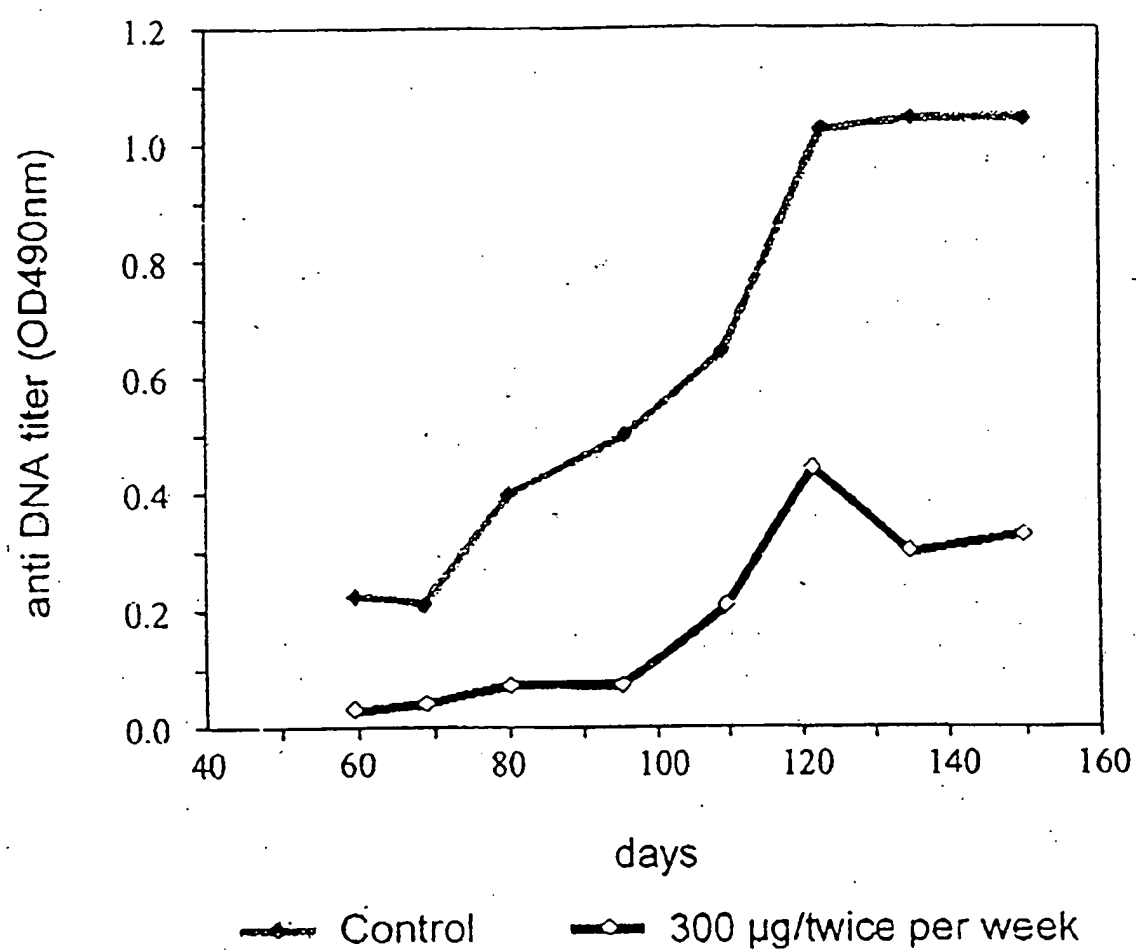


FIGURE 15